

Message

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**From:** Ungvarsky, John [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=32DB35E158594F48ADE92F89E3C6411B-JUNGVAR]  
**Sent:** 9/20/2019 5:29:25 PM  
**To:** Turkiewicz, Katarzyna (Kasia)@ARB [kasia.turkiewicz@arb.ca.gov]  
**Subject:** RE: Call

Thanks. Anita (and possible me or Jeanhee joining) intend to call Gretchen today. Let us talk with her, and we'll let you know what she says.

**John Ungvarsky**  
Environmental Scientist  
USEPA Region IX, Air Division  
San Francisco, CA  
415-972-3963

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**From:** Turkiewicz, Katarzyna (Kasia)@ARB <kasia.turkiewicz@arb.ca.gov>  
**Sent:** Friday, September 20, 2019 10:26 AM  
**To:** Ungvarsky, John <Ungvarsky.John@epa.gov>  
**Cc:** Hong, Jeanhee <Hong.Jeanhee@epa.gov>  
**Subject:** RE: Call

Hi John,  
I asked Gretchen to let me know today if she can get the Ordinance modified by October 18. For November Board Meeting, I would have to post the Staff Report on October 18. For December Board Meeting, the Staff Report would have to be posted November 8.

I could get my part done by October 18, but I am not sure if Gretchen will be ready. In the Staff Report I have to conclude that the Ordinance meets the contingency requirements, so I can't post anything until Gretchen makes changes to the Ordinance. I will let you know what I find out from her today.

Kasia

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**From:** Ungvarsky, John <Ungvarsky.John@epa.gov>  
**Sent:** Friday, September 20, 2019 10:03 AM  
**To:** Turkiewicz, Katarzyna (Kasia)@ARB <kasia.turkiewicz@arb.ca.gov>  
**Cc:** Hong, Jeanhee <Hong.Jeanhee@epa.gov>  
**Subject:** RE: Call

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Hi Kasia –

Thanks for asking. Dec might be problematic for us. I'll need to confer with Jeanhee.

We haven't spoken yet with Gretchen about when the City might be able to approve a revised ordinance. If you went with Dec, when would the staff report and other materials be posted? Would Dec include the revised ordinance that also addresses the 2022 RFP milestone?

We can chat about this at 11.

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Environmental Scientist

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**From:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Sent:** Friday, September 20, 2019 9:23 AM  
**To:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Subject:** RE: Call

John,  
What do you think of postponing this item to December Board Hearing? If we were to take it in November, I would have to notice it on Monday and post staff report on October 18. I could get things ready, but I am not sure if Gretchen will be able to. She is looking into it, but in the meantime, could you give me some sense as to December.

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**From:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Sent:** Friday, September 20, 2019 9:06 AM  
**To:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Subject:** RE: Call

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How about at 11:00?

I've continued to tinker with the table, and I'm also hoping to get some feedback today from Jeanhee.

	2021	2022
Inventory in Plan	0.4863	0.4866
Change-outs (2016-2020)	-0.0745	-0.0745
Mobile source reductions (in 2022?)	-0.0001	-0.0001
Open burning reductions (in 2022?)		
Curtailment (25% compliance)	-0.0017	-0.0017
Updated inventory after controls	0.4100	0.4103
Reductions from contingency measure (CM)		
Curtailment (50% compliance, 25 increase from 2021)		-0.0017
Changeouts (25% in Portola)		-0.0049
Voluntary curtailment (3% compliance outside of Portola)		-0.0019
Total CM reductions		0.0085
2022 Inventory after CM		0.4018
2021 Updated inventory after controls but before CM		0.4100
Change in inventory		0.0082

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**From:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Sent:** Friday, September 20, 2019 8:03 AM  
**To:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Subject:** RE: Call

Sure, what time?

**From:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Sent:** Thursday, September 19, 2019 4:55 PM  
**To:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Subject:** RE: Call

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Hi Kasia –

Can we talk on Friday?

We suggest using a variation of the table below in an update analysis doc.

We suggest calculating reductions from the voluntary curtailment program for the area outside of Portola. Assume 3% compliance for remaining stoves and fireplaces after 465 changeouts needed for attainment.

#### Estimating Benefits of Contingency 2023

Assume 50% compliance rate and 25% of households changing out their devices

Category	Stove	Fireplace before	Total
Emission Factor (lb PM2.5/ton of wood)	30.6	34.6	
Wood use annual (cords)	4.3	6	
Wood density (ton/cord)	1.04	1.04	
Conversion from lb to ton	2000	2000	
Number of Devices	34	54	88
Emissions (tpy)	2.3292	5.7927	8.1220
Emissions (tpd)	0.0064	0.0159	0.0223
<b>50% compliance on 31% of days</b>	0.0010	0.0025	0.0034
<b>25% of Households changing devices</b>	0.0013	0.0036	0.0049
<b>3% compliance of voluntary curtailment outside of Portola</b>	0.0021	0.0011	0.0019
Total Contingency			0.0082

We'd like for you to create a table showing reductions from the 2022 inventory (for example)

	2021	2022
Inventory in Plan	0.4863	0.4866
Changeouts (2016-2020)	-0.0745	-0.0745
Mobile source reductions (in 2022?)	-0.0001	-0.0001
Open burning reductions (in 2022?)		
Curtailment (25% compliance)	-0.0017	-0.0017
Updated inventory after controls	0.4100	0.4103

Reductions from contingency measure	
Curtailment (50% compliance)	-0.0017
Changeouts (25% in Portola)	-0.0049
Voluntary curtailment (3% compliance outside of Portola)	-0.0019
2022 Inventory after contingency measure	0.4018
2021 Inventory	0.4100
change in inv	0.0082

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**From:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Sent:** Thursday, September 19, 2019 1:32 PM  
**To:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Subject:** RE: Call

OK

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**From:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Sent:** Thursday, September 19, 2019 1:31 PM  
**To:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Subject:** RE: Call

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I'll call you later

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**From:** Turkiewicz, Katarzyna (Kasia)@ARB <[kasia.turkiewicz@arb.ca.gov](mailto:kasia.turkiewicz@arb.ca.gov)>  
**Sent:** Thursday, September 19, 2019 1:30 PM  
**To:** Ungvarsky, John <[Ungvarsky.John@epa.gov](mailto:Ungvarsky.John@epa.gov)>  
**Subject:** Call

John,  
I am so sorry. Someone had stolen the conference room from me. Could you call my office at (916) 445-6497.

Kasia Turkiewicz  
Air Resources Engineer  
California Air Resources Board